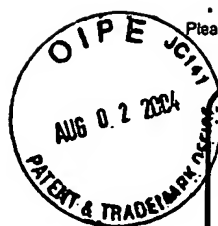


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/826,162
		Filing Date	April 15, 2004
		First Named Inventor	Zhang
		Group Art Unit	2471-2162
		Examiner Name	FLORANTIN
Sheet 1	of 2	Attorney Docket Number	MS1-1891US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cita No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MF		CHAKRABARTI S. "Data Mining for Hypertext: A tutorial survey" SIGKDD Explorations vol 1 issue 2, January 2000, 11 pages	
MF		COHN et al.; "The Missing Link - A Probabilistic Model of Document Content and Hypertext Connectivity" Proceedings of Neural Information Processing Systems, 2001, 7 pages	
MF		DHILLON et al.; "Efficient Clustering of Very Large Document Collections" Data Mining, for Scientific and Engineering Applications, Chapter 1, Kluwer Academic Publishers, 2001, pages 1-25	
MF		LIU et al.; "Clustering Through Decision Tree Construction" 9th International Conference on Information and Knowledge Management, 2000, 10 pages	
MF		KLEINBERG J. M.; "Authoritative Sources in a Hyperlinked Environment" Proceedings of the ACM-SIAM Symposium on Discrete Algorithms, 1998, 34 pages	
MF		HEER et al.; "Identification of Web User Traffic Composition using Multi-Modal Clustering and Information Scent" 1st SIAM ICDM Workshop on Web Mining, Chicago 2001, 13 pages	
MF		GIBSON et al.; "Inferring Web Communities from Link Topology" Proceedings of the 9th ACM Conference on Hypertext and Hypermedia, 1998, 17 pages	
MF		NEVILLE et al.; "Iterative Classification in Relational Data" Proceedings AAAI-2000 Workshop on Learning Statistical Models from Relational Data, AAAI Press 2000, pages 42-49	
MF		STEINBACH et al.; "A Comparison of Document Clustering Techniques" 6th ACM SIGKDD World Text Mining Conference Boston, 2000, 2 pages	
MF		SU et al.; "Correlation-based Document Clustering using Web Logs" Proceedings of the 34th Hawaii International Conference on System Sciences, 2001, 7 pages	
MF		TASKAR et al.; "Probabilistic Classification and Clustering in Relational Data" Proceedings of the 34th Hawaii International Conference on System Sciences, 2001, 7 pages	

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		Application Number	10/826,162		
		Filing Date	April 15, 2004		
		First Named Inventor	Zhang		
		Group Art Unit	2171-2162		
		Examiner Name	ELEUTANTIN		
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mf		UNGER et al.; "Clustering Methods for Collaborative Filtering" In Workshop on Recommendation System at the 15th National Conference on Artificial Intelligence, 1998, 16 pages	
mf		WEN et al.; "Query Clustering Using User Logs" ACM Transactions on Information Systems vol 20 no 1; January 2002, pages 59-81	
mf		ZENG et al; "A Unified Framework for Clustering Heterogeneous Web Objects" Proceedings of the 3rd international Conference of Web Information System Engineering, Singapore 2002, 10 pages	
mf		"Open Directory Project" http://dmoz.org/ Netscape 1998-2004 1 page	
mf		BERKHIN P.; "Survey of Clustering Data Mining Techniques" Accrue Software Inc.; 2002 pgs 1-56	
mf		YANG et al.; "A Comparative Study on Feature Selection in Text Categorization" Proceedings of the Fourteenth International Conference on Machine Learning, Morgan Kaufmann Publishers Inc., San Francisco 1997, Pages: 412 - 420	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/826,162
		Filing Date	April 15, 2004
		First Named Inventor	Zhang
		Group Art Unit	2162
		Examiner Name	FLENTANTIN
		Attorney Docket Number	MS1-1891US
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12f		SLATTERY S. et al.; "Combining Statistical and Relational Methods for Learning in Hypertext Domains" Lecture Notes in Computer Science, 1998, pgs 38-52	

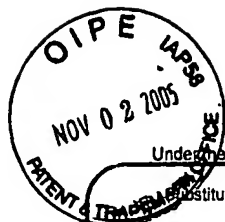
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Application Number	10/826,162
Filing Date	4/15/2004
First Named Inventor	Benyu Zhang et al.
Art Unit	2/162
Examiner Name	FLECHAMIN
Attorney Docket Number	MS1 - 1891US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/BTF		US- 6,169,986	1/2/2001	Bowman, et al.	
		US-			
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Filing Date	4/15/2004
First Named Inventor	Benyu Zhang et al.
Art Unit	2162
Examiner Name	FLEAHATHIN
Attorney Docket Number	MS1 - 1891US

Sheet

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1MF		KIM et al, "A Comparison of Collocation-Based Similarity Measures in Query Expansion", Information Processing & Management, Elsevier Science Ltd, vol. 35, No. 1, January 1999 pp. 19-30:	
1MF		QIU et al, "Concept Based Query Expansion", SIGIR Forum, Association for Computing Machinery, New York, June 27, 1993, pp. 160-169.	
1MF		Raghavan et al, "On the Reuse of Past Optimal Queries", SIGIR '95, Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, July 9, 1995, pp. 344-350.	
1MF		Beeferman D. & Berger A. "Agglomerative clustering of a search engine query log" Proceedings of the ACM SIGKDD. International conference on Knowledge Discovery and Data Mining, ACM, US, 2000, pages 407-416, XP002339640	
1MF		Srivastava et al. "Discovery and Applications of Usage Patterns from Web Data" Sigkdd Explorations, January 2000 (2000-20001), pages 12-23, XP002241892 "the whole document"	

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	Filing Date		2004-04-15
	First Named Inventor	Benyu Zhang	
	Art Unit	2162	
	Examiner Name	FLEURANTIN	
	Attorney Docket Number	MS1-1891US	

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Application Number		10826162
Filing Date		2004-04-15
First Named Inventor	Benyu Zhang	
Art Unit	2162	
Examiner Name	FLEURANTIN	
Attorney Docket Number	MS1-1891US	

17MF	1	Attardi, G. et al.: "Automatic web Page Categorization by Link and context Analysis" Proceedings of THIA, European Symposium on Intelligence, 1999. "the whole document"	<input type="checkbox"/>
17MF	2	Brin S et al: "The anatomy of a large-scale hypertextual web search engine" Computer Networks and ISDN Systems, North Holland Publishing. Amsterdam, NL, Vol. 30, No. 1-7, April 1998, Pages 107-117.	<input type="checkbox"/>
17MF	3	Harmandas, V. et al. "Image Retrieval by Hypertext Links" Association For Computing Machinery. Proceedings of the 20th Annual International ACM-SIFIR Conference on Research and Development in Information Retrieval. Philadelphia, PA, July 27-31, 1997, Pages 296-303.	<input type="checkbox"/>
17MF	4	Smith, J.R. et al.: "An Image and Video Search Engine for the World-Wide Web" Storage and retrieval for image and video databases 5. San Jose, Feb. 13-14, 1997, Proceedings of SPIE, Bellingham, SpIE, US, Vol. 3022, pages 84-95.	<input type="checkbox"/>
17MF	5	Westerveld, T. et al: "Retriving Web Pages using Content, Links, URLs and Anchors" Test Retrieval Conference. Proceedings, XX, XX, 13, November 2001, pages 663-672.	<input type="checkbox"/>

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	Filing Date		2004-04-15
	First Named Inventor	Benyu Zhang	
	Art Unit	2171-2168	
	Examiner Name	FLEHANTIN	
	Attorney Docket Number	MS1-1891US	

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
IMF	1	8112202		2000-08-29	Kleinberg	
IMF	2	6560600		2003-05-06	Broder	

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IMF	1	20030208482	A1	2003-11-06	Kim, Brian S.; et al.	
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IMF	1	DE10029644			2002-01-17	DEUTSCHE TELEKOM AG (DE)	<input type="checkbox"/>

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STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10826182
Filing Date		2004-04-15
First Named Inventor	Benyu Zhang	
Art Unit	2474 2162	
Examiner Name	FLEAHATH	
Attorney Docket Number	MS1-1891US	

124	2	WO9749048			1997-12-24	IDD ENTERPRISES L P (US)	<input type="checkbox"/>
134	3	WO9948028			1999-09-23	GLOBALBRAIN NET INC (US)	<input type="checkbox"/>

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124	1	Boyan et al., "A Machine Learning Architecture for Optimizing Web Search Engines", AAAI Workshop on Internet-Based Information Systems, 1996, pp. 1-8, Retrieved from the Internet http://www.cs.cornell.edu/People/tj/publications/boyan_etal_96a.pdf	<input type="checkbox"/>
124	2	Frei et al., "The Use of Semantic Links in Hypertext Information Retrieval" Information Processing & Management, Elsevier, Barking, GB, vol. 31, no. 1, 2 January 1995, pp. 1-13	<input type="checkbox"/>
124	3	Li, "Toward a Qualitive Search Engine" Internet Computing, IEEE, vol. 2, no. 4, July 1998, pp. 24-29, Retrieved from the Internet at http://ieeexplore.ieee.org/xpl/abs_free.jsp?arNumber=707687	<input type="checkbox"/>
124	4	Marchioro, Massimo, "The Quest for Correct Information on the Web: Hyper Search Engines" Computer Networks and ISDN Systems, North Holland Publishing, Amsterdam, NL, vol. 29, no. 8-13, September 1997, pp. 1225-1235	<input type="checkbox"/>

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